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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/827,249	04/20/2004	Kiyoshi Kawabe	4329.2358-01	2534

22852 7590 11/02/2006

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EXAMINER
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VIDWAN, JASJIT S

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 11/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/827,249		KAWABE, KIYOSHI	
	<b>Examiner</b>		<b>Art Unit</b>	
	Jasjit S. Vidwan		2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on TD Filed 04 August 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 17, 19, 20, 22, 24 and 26-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 17, 19, 20, 22, 24 and 26-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Terminal Disclaimer***

1. The terminal disclaimer filed on 8/04/2006 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of 6,735,640 has been reviewed and is accepted. The terminal disclaimer has been recorded.

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 17, 19, 20, 22, 24, 26, 27 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Torii et al, U.S. Patent No: 6,532,512 [**herein after Torii**] and further in view of Lee, U.S. Patent No: 6,005,789 [**herein after Lee**]

3. **As per claims 17, 20 and 24**, Torii teaches a computer system comprising:

(a) Computer having a processor [**see Fig. 1, Element 2, "First Computer"**] and a graphic-controller [**Fig. 2, Element 13, "Video Display Circuit"**]

(b) Display connected to the computer [**Col. 1, Lines 17-19**]

(c) Terminal to which another device can be connected [**Fig. 2, Element 12, "Signal-Input-Terminals"**]

(d) Controller which is connected to the terminal, the computer, and the display [**Col. 4, Lines 28-30**] and which supplies an output from the graphic-controller to the display in a first mode and an output from the other device to the display in the second mode [**Col. 4, Lines 34-41**]

(e) Wherein one of the first mode and the second mode is selected in accordance with detection of connection of the other device, and the second mode is set when the other device is connected to the terminal **[Col. 2, Lines 51-60, 'active' sync signal would also be triggered upon a connection of a new device to a terminal]**

Torii fails to teach a power supply, which supplies power to the computer and to the display in the first mode and power to the display in the second mode. However, Lee teaches computer system further comprising a power supply which supplies power to the computer and to the display in the first mode **[see Lee, Col. 2, Lines 25-30]** and power to the display in the second mode **[See Col. 1, Lines 60-65]**.

One of ordinary skill in the art at the time of Applicant's invention would have clearly recognized the advantage of combining the teachings of Lee and Torii in order to take advantage of having plurality of power saving mode. It is for this reason that one of ordinary skill in the art at the time of Applicant's invention would have been motivated to combine the two teachings in order to have the benefit of have plurality of power saving modes.

4. **As per Claims 19 and 26**, Torii as modified by Lee above teaches a detector **['controller']** which detects a connection of the other device to the terminal and a mode setter which sets the second mode upon the detection of the connection of the other device to the terminal **[Col. 2, lines 29-33, "controller"]**.
5. **As per Claims 22**, Torii as modified by Lee above teaches a method wherein the supplying power includes supplying power to the computer and to the display, in the first mode upon a power-on of the computer **[see Lee, Col. 2, Lines 25-30]**
6. **As per Claims 27 and 28**, Torii as modified by Lee above teaches a system wherein the first mode is switched to the second mode upon connection of the other device to the terminal **[Col. 2, Lines 51-59]**

***Response to Arguments***

7. Applicant's arguments filed 08/04/2006 have been fully considered but they are not persuasive. Applicant argues that prior art of record fails to teach, "one of the first mode and the second mode is selected in accordance with detection of a connection of the other device, and the second mode is set when the other device is connected to the terminal".

8. As per the above argument, **Examiner disagrees**. As admitted by Applicant in remarks (Pages 7-8), Torii teaches that display device selects a display screen based on the sync signal from an active one of computers [Col. 2, Lines 51-55]. It should be readily apparent to one of ordinary skill in the art, 'active' sync signal outputted by one of the computers would also be triggered when a new device (computer) is connected to a terminal, hence switching the display to the active computer. Therefore it is the position of the Examiner that Torri as modified by Lee read on the amended limitations of independent claims 17, 20 and 24.

#### **Conclusion**

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jasjit S. Vidwan whose telephone number is (571) 272-7936. The examiner can normally be reached on 8am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KIM HUYNH can be reached on (571) 272-4147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2182

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSV  
10/27/2006



**KIM HUYNH**  
**SUPERVISORY PATENT EXAMINER**

10/30/06